

## **ABSTRACT OF THE DISCLOSURE**

An insufflation system that includes a first tube that inserts into a patient's airway for providing a primary flow of breathing gas to such a patient. At least one insufflation catheter is provided in or within the first tube for delivering a flow of insufflation gas to the patient. In one embodiment, a flow control system is coupled between the first tube, the insufflation catheter, and a source of insufflation gas to control the flow of gas between the patient circuit, the insufflation catheter, and the source of insufflation gas. In another embodiment, a ventilator and tracheal gas insufflation system are provided in a common housing.